CONTENTS OF VOLUME 37

NUMBER 1

Allozymic and Morphologic Variation Among *Dipodomys insularis, Dipodomys nitratoides,* and Two Populations of *Dipodomys merriami* (Rodentia: Heteromyidae). *Troy L. Best* and *Laura L. Janecek* 1

Impact of Mainstream Impoundment on the Distribution and Movements of the Resident Flannelmouth Sucker (Catostomidae: *Catostomus latipinnis*) Population in the White River, Colorado. *Thomas E. Chart* and *Eric P. Bergersen* 9

Life History of the Sailfin Molly (*Poecilia latipinna*) in Two Degraded Waterways of Southwestern Louisiana. *James D. Felley* and *Gwendolyn L. Daniels* 16

Germinacion de *Salicornia bigelovii* Torr. (Chenopodiaceae) Bajo Diferentes Concentraciones de Agua Marina. *Enrique Troyo-Diéguez* and *Aurora M. Breceda Solis-Cámara* 22

Description of Eggs, Larvae, and Early Juveniles of the Bigscale Logperch, *Percina macrolepida* Stevenson, from the West Fork of the Trinity River Basin, Texas. *Thomas P. Simon* and *Joseph B. Kaskey* 28

Inefficient Nitrogen Resorption in a Population of Ocotillo (*Fouquieria splendens*), a Drought-deciduous Desert Shrub. *Keith T. Killingbeck* 35

Xylem Pressure Potentials of Single- and Double-needled Pinyon Pines. *James Malusa* ... 43

Short-term Reductions in Plant Densities Following Prescribed Fire in an Ungrazed Semidesert Shrub-grassland. *Jane H. Bock* and *Carl E. Bock* 49

Mammals from the Late Pleistocene Carrol Creek Local Fauna, Donley Co., Texas. *Stephen Kasper* 54

Redhead Duck Behavior on Lower Laguna Madre and Adjacent Ponds of Southern Texas. *Christine A. Mitchell, Thomas W. Custer,* and *Phillip J. Zwank* 65

Response of Birds to Wildfire in Native Versus Exotic Arizona Grassland. *Carl E. Bock* and *Jane H. Bock* 73

Notes

Habitat Preferences of a Disjunct Population of Parthenogenetic *Cnemidophorus neomexicanus* (Sauria: Teiidae) in San Miguel Co., New Mexico. *James M. Walker, Sr., James E. Cordes,* and *James M. Walker, Jr.* 82

Recent Trends in Shorebird Migration for North-central Texas. *Robert L. Neill* 87

El Oso Hormiguero *Tamandua mexicana* en la Costa del Estado de Michoacán. *Cornelio Sánchez H., Ma. de Lourdes Romero A.,* y *Arturo Núñez G.* 88

Notes on the Reproductive Cycle of *Notropis hubbsi* (Bluehead Shiner) in Southeastern Oklahoma. *Christopher M. Taylor* and *Steven M. Norris* 89

Range Extension for the Diminutive Woodrat, *Nelsonia neotomodon,* in the Mexican Transvolcanic Range. *John I. Glendinning* 92

Status of the White-winged Dove in Southern Texas. *David A. Swanson* and *John H. Rappole* 93

Announcements 98

NUMBER 2

Insect Fossil Evidence of Late Quaternary Environments in the Northern Chihuahuan Desert of Texas and New Mexico: Comparisons with the Paleobotanical Record. *Scott A. Elias* and *Thomas R. Van Devender* 101

Conservation and Status of Gila Trout, *Oncorhynchus gilae. David L. Propst, Jerome A. Stefferud,* and *Paul R. Turner* 117

A New Species of *Diplocentrus* from Western Mexico (Scorpiones, Diplocentridae). *W. David Sissom* and *Anne L. Walker* 126
Influence of Sex and Egg-case Presence on Predatory Behavior of the Wolf Spider *Pardosa valens* Barnes (Araneae: Lycosidae). *J. Bruce Moring* and *Kenneth W. Stewart* 132
Longitudinal Distribution and Assemblages of Fishes of Byrd's Mill Creek, a Southern Oklahoma Arbuckle Mountain Stream. *Bruce G. Stewart, Jeremy G. Knight,* and *Robert C. Cashner* 138
Epiphytic Diatoms on *Cladophora glomerata* in the Colorado River, Arizona: Longitudinal and Vertical Distribution in a Regulated River. *G. G. Hardwick, D. W. Blinn,* and *H. D. Usher* 148
Life History and Foods of *Gambusia affinis* in Two Waterways of Southwestern Louisiana. *Gwendolyn L. Daniels* and *James D. Felley* 157
Ecologia Alimenticia de la Trucha Arcoiris (*Oncorhynchus mykiss nelsoni*) del Arroyo San Rafael, Sierra San Pedro Mártir, Baja California, México. *Gorgonio Ruiz-Campos* y *Patricia Cota-Serrano* 166
Recovery of Pecos River Fishes from a Red Tide Fish Kill. *Kevin Rhodes* and *Clark Hubbs* 178
Density of Nesting Peregrine Falcons in Grand Canyon National Park, Arizona. *Bryan T. Brown, G. Scott Mills, Richard L. Glinski,* and *Stephen W. Hoffman* 188

Notes

Recent Introduction and Potential Botanical Impact of the Giant Rams-horn Snail, *Marisa cornuarietis* (Pilidae), in the Comal Springs Ecosystem of Central Texas. *Francis R. Horne, Thomas L. Arsuffi,* and *Raymond W. Neck* 194
Temperature Effects on Seed Germination of *Cordia boissieri* A. DC. (Boraginaceae). *Timothy E. Fulbright* 197
Home Range of Breeding Common Ravens in Coastal Southern California. *George M. Linz, C. Edward Knittle,* and *Richard E. Johnson* 199
Occurrence of the Ringtail (*Bassariscus astutus*) in Oklahoma. *Jack D. Tyler* and *Wesley D. Webb* 202
Freshwater Molluscs of Selected Playa Lakes of the Southern High Plains of Texas. *Raymond W. Neck* and *Harold L. Schramm, Jr.* 205
Overestimation of Deer Densities in Michilia Biosphere Reserve, Durango, Mexico. *Carlos Galindo-Leal* 209
First Record of *Sigmodon fulviventer* in Texas: Natural History and Cytogenetic Observations. *Frederick B. Stangl, Jr.* 213
Announcements 215

Number 3

Chromosomal NOR Karyotypes and Genome Sizes in *Dionda* (Osteichthyes: Cyprinidae) from Texas and New Mexico. *John R. Gold, Yucheng Li, Matt C. Birkner,* and *John D. Jenkin* 217
Genetic Diversity, Gene Flow, and Relictualism in *Claytonia lanceolata* var. *peirsonii,* a Rare Montane Perennial From Southern California. *Orlando Mistretta* and *Aaron Liston* ... 223
Characters of the Upper Premolar of Five Species of *Dipodomys* and Evidence for Diphyly in the Genus. *Walter W. Dalquest, John V. Grimes,* and *Frederick B. Stangl, Jr.* 231
Nutrient Input to an Alpine Tundra: An Aeolian Insect Component. *James Halfpenny* and *Michael Heffernan* 247
Frugivory on *Bursera microphylla* (Burseraceae) by Wintering Gray Vireos (*Vireo vicinior,* Vireonidae) in the Coastal Deserts of Sonora, Mexico. *John M. Bates* 252

Distribution and Status of the Devils River Minnow, *Dionda diaboli*. *Gary P. Garrett, Robert J. Edwards,* and *Andrew H. Price* 259
Body Condition, Food Habits, and Molt Status of Late-Wintering Ruddy Ducks in California. *William L. Hohman, C. Davison Ankney,* and *Douglas L. Roster* 268
Factors Influencing the Density and Distribution of *Selaginella lepidophylla* in the Black Gap Area of the Chihuahuan Desert of Western Texas. *O. W. Van Auken* and *J. K. Bush* 274
Feeding Ecology of an Insular Population of the Black-tailed Jackrabbit (*Lepus californicus*) in the Gulf of California. *Donald P. Hoagland* 280
Availability and Ingestion of Lead Shot by Mourning Doves (*Zenaida macroura*) in Southeastern New Mexico. *Troy L. Best, Tom E. Garrison,* and *C. Gregory Schmitt* 287
Gopher Snake Attraction to Birds' Nests. *Michael W. Eichholz* and *Walter D. Koenig* 293

Notes

Population Dynamics of the Rare Orchid, *Spiranthes delitescens*. *Mitchell P. McClaran* and *Peter C. Sundt* 299
Systematic Status of the San Luis Potosí Black-headed Snake, *Tantilla deviatrix* Barbour (Colubridae). *Roy W. McDiarmid* 303
Persistence of the Meadow Jumping Mouse, *Zapus hudsonius luteus,* in New Mexico. *Joan L. Morrison* 308
Feeding and Foraging of *Callisaurus draconoides* (Sauria: Phrynosomatidae) in the Intertidal Zone of Coastal Sonora. *Adrián Quijada-Mascareñas* 311
First Record of *Bolitoglossa mulleri* (Caudata: Plethodontidae) from Mexico. *Marco A. Lazcano-Barrero* 315
Restricted Diet of the Common Map Turtle *Graptemys geographica* in a Missouri Stream. *Don White, Jr.* and *Don Moll* 317
Sorex preblei from the Black Canyon, First Record for Colorado. *Charles A. Long* and *Robert S. Hoffmann* 318
Nesting Behavior and Movements of Western Pond Turtles, *Clemmys marmorata*. *Galen B. Rathbun, Nancy Siepel,* and *Dan Holland* 319
Diets of Mountain Lions in Southwestern Arizona. *Jenny L. Cashman, Matthew Peirce,* and *Paul R. Krausman* 324
Distributional Status of Short-tailed Shrews (Genus *Blarina*) in Texas. *George D. Baumgardner, Norman O. Dronen,* and *David J. Schmidly* 326
Environmental Notes on the Recently Described Crawfish, *Procambarus* (*Girardiella*) *kensleyi* Hobbs. *J. F. Fitzpatrick, Jr.* and *Royal D. Suttkus* 328
Winter Collections of the Neosho Madtom (*Noturus placidus*). *Thomas L. Wenke, Mark E. Eberle, Guy W. Ernsting,* and *William J. Stark* 330
Announcements 334

Number 4

Food Habits Within the Laguna Chichancanab *Cyprinodon* (Pisces: Cyprinodontidae) Species Flock. *Michael M. Stevenson* 337
Genetic Differentiation Between Populations of Hutton's Vireo (Aves: Vireonidae) in Disjunct Allopatry. *Carla Cicero* and *Ned K. Johnson* 344
Variación Anual en la Alimentación y Condición Física de *Sceloporus mucronatus* (Sauria: Iguanidae) en la Sierra del Ajusco, Distrito Federal, México. *Fausto R. Méndez-de la Cruz, Gustavo Casas-Andreu,* y *Maricela Villagran-Santa Cruz* 349
Nesting Productivity, Food Habits, and Nest Sites of Bald Eagles in Colorado and Southeastern Wyoming. *Mary L. Kralovec, Richard L. Knight, Gerald R. Craig,* and *Robert G. McLean* 356

Correlates of Species Composition of Grasshopper (Orthoptera: Acrididae) Communities on Ozark Cedar Glades. *David J. Bergmann* and *Stephen J. Chaplin* 362
Forage Availability for Mountain Sheep in Pusch Ridge Wilderness, Arizona. *Rosemary Mazaika, Paul R. Krausman,* and *Richard C. Etchberger* 372
Habitat Heterogeneity and Seed Dispersal of *Opuntia streptacantha* (Cactaceae) in Nopaleras of Central Mexico. *M. C. Vargas-Mendoza* and *M. Gonzalez-Espinosa* 379
Avifauna de Dos Asociaciones Vegetales en el Municipio de Galeana, Nuevo León, Mexico. *Armando Jesus Contreras-Balderas* 386
Avian use of Vernal Pools at the Santa Rosa Plateau Preserve, Santa Ana Mountains, California. *William S. Baker, Floyd E. Hayes,* and *Earl W. Lathrop* 392

Notes

Winter Abundance, Age Structure, and Distribution of Bald Eagles Along the Colorado River, Arizona. *Bryan T. Brown* and *Lawrence E. Stevens* 404
Ant-Acacia Hybrids of Mexico and Central America. *John E. Ebinger* and *David S. Seigler* 408
Bat Reproduction in the Luquillo Experimental Forest of Puerto Rico. *Michael R. Gannon* and *Michael R. Willig* 414
Notas Sobre un Parto Anormal en *Anoura geoffroyi* (Chiroptera: Mammalia). *Sergio Ticul Alvarez-Castañeda* 420
Deer Densities in La Michilia: A Reply to Galindo. *Sonia Gallina* and *Exequiel Ezcurra* .. 422
Estimating the Number of Female *Ambystoma annulatum* (Caudata: Ambystomatidae) Based on Oviposition. *Chris L. Peterson, Robert F. Wilkinson, Don Moll,* and *Tom Holder* ... 425
Primer Reporte de Ácaro *Ophionyssus natricis* (Acarina: Macronyssidae) Para México. *Maria Luisa Rodriguez* y *David Lazcano* 426
Noteworthy Records of Three Mammals from Mexico. *Rodrigo A. Medellín, Guadalupe Cancino Z., Apamar Clemente M.,* and *Ramón O. Guerrero V.* 427
First Record of the Mexican Big-Eared Bat *Idionycteris phyllotis* (Vespertilionidae) in the State of Oaxaca, México. *Carlos Bonilla, Emma Cisneros,* and *Victor Sánchez-Cordero* 429
New Ant Records for Taylor Co., Texas. *Rafael Jusino-Atresino* and *Sherman A. Phillips, Jr.* 430
Food Habits of Black Bears in Big Bend National Park. *Susan F. McClinton, Philip L. McClinton,* and *Jim V. Richerson* 433
Announcements 436
Index to Volume 37 446

Cover drawing of *Odocoileus* by Mary Maltbie.

Printed in the United States of America.